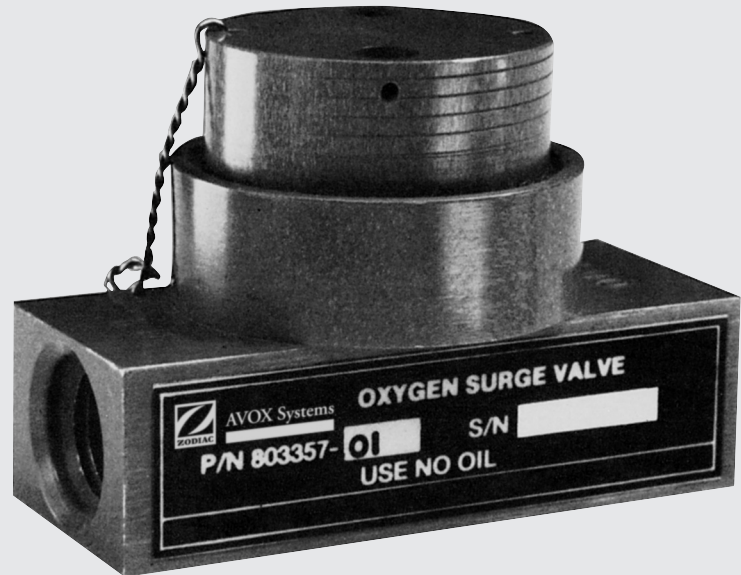




AVOX Systems

Surge Valve Assembly



The AVOX Systems 803357 Surge Valve Assembly is a device designed to pneumatically activate Passenger Dropout Boxes in 2 to 2.5 seconds time or less at altitudes ranging from sea level to 40,000 feet.

Once dropout boxes are activated, a companion Altitude Compensated Regulator must be used to provide the correct pressure and flow of oxygen to individual masks.

Surge Valve will not resurge until inlet pressure is bled to zero and surge valve repressurized.

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Lancaster, NY 14086

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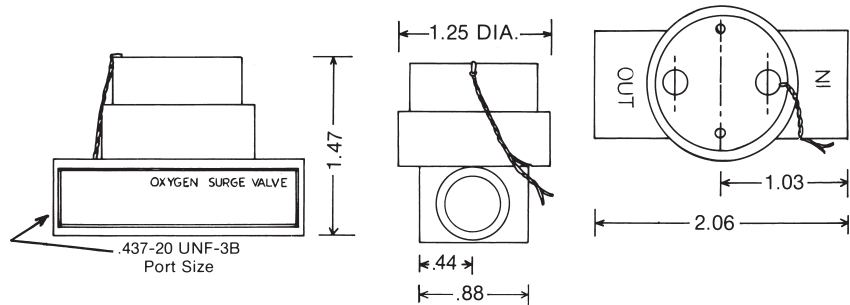




Surge Valve Assembly

Features

- Compact aluminum design weighs only 0.19 lbs.
- Effective at altitudes to 40,000 feet
- Reliable performance throughout -65° F to +165° F range
- Designed for inlet pressures of 50 through 135 psig



Specifications

Model:	803357-01
Service Medium:	Aviator's Breathing Oxygen per MIL-0-27210 Type I
Inlet Operating Pressure:	50 to 135 psig
Altitude Operating Range:	Sea level to 40,000 feet
Ambient Temperature Range:	-65° F to +165° F
Weight:	0.19 lb.

Inlet Pressure	Surge Time	Dwell Time
120 Psig	2 Seconds Maximum	14 +/- 5 Seconds
70 Psig	2.5 Seconds Maximum	7 +/- 2 Seconds

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS INJURY OR DEATH.

THIS ASSEMBLY IS INTENDED TO BE SELECTED AND INSTALLED ONLY FOR AVIATION APPLICATIONS AS A COMPONENT OF A COMPLETE AVIATION OXYGEN SYSTEM DESIGNED, INSTALLED AND MAINTAINED ONLY BY QUALIFIED PERSONS KNOWLEDGEABLE IN THE INHERENT

HAZARDS OF HIGH PRESSURE AVIATION OXYGEN AND IN THE CONSTRUCTION AND MAINTENANCE OF COMPLETE AVIATION OXYGEN SYSTEMS.

THIS EQUIPMENT IS TO BE USED ONLY WITH AVIATOR'S BREATHING OXYGEN MEETING THE REQUIREMENTS OF MIL-0-27210.